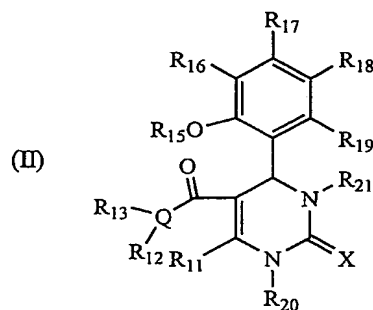
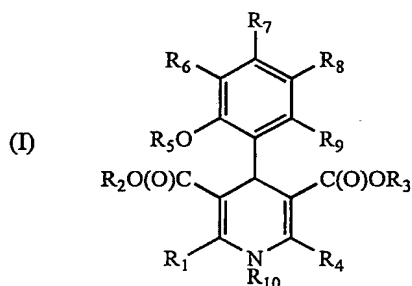


WHAT IS CLAIMED IS:

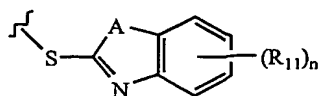
1. A method for inhibiting calcium T-channel activity, comprising the steps of:
 providing a selective T-channel antagonist having an onset of activity in reducing systolic blood pressure *in vivo* of at least three hours and a duration of activity *in vivo* of at least 24 hours, wherein onset of activity refers to the time from administration to maximum reduction of systolic blood pressure, and duration of activity refers to the time from administration until the amount of systolic blood pressure reduction decreases by at least 20 percent; and
 administering the antagonist to a mammal in regular doses no more often than once per day.
2. The method of Claim 1, wherein the T-channel antagonist has a cyclic ring structure with a pendent alkylene group of at least 6 carbon atoms.
3. The method of Claim 1, wherein the T-channel antagonist is a compound of Formula I or II:



or a pharmaceutically acceptable salt, amide, ester, or prodrug thereof,
 wherein

- a) R_1 - R_8 are each independently selected from the group consisting of hydrogen, halogen, perhaloalkyl, nitro, amino, a diazo salt, optionally substituted lower alkyl, optionally substituted lower alkylene and optionally substituted five-membered or optionally substituted six-membered heteroaryl ring or optionally substituted six-membered aryl or heteroaryl ring,

where the lower alkyl and the lower alkylene moieties are each independently and optionally substituted with one or more substituents selected from the group consisting of halogen, perhaloalkyl, nitro, amino, hydroxy, alkoxy, sulfhydryl, thioether, cyano, amido, ester, and

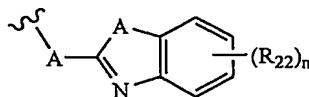


where A is selected from the group consisting of oxygen, sulfur, and -NH and R₁₁ is selected from the group consisting of hydrogen, hydroxy, alkoxy, haloalkoxy, halogen, haloalkyl, perhaloalkyl, nitro, amino, and a diazo salt, and n is between 0-4; and

where the ring moieties are each independently and optionally substituted with one or more substituents selected from the group consisting of lower alkyl, lower alkylene,

- b) R₉ is selected from the group consisting of hydrogen, alkyl, alkylene, and a five-membered or six-membered heteroaryl ring or a six-membered aryl or heteroaryl ring, optionally substituted with one or more substituents selected from the group consisting of lower alkyl, lower alkylene, halogen, perhaloalkyl, nitro, amino, cyano, amido, and ester;
- c) R₁₀ is selected from the group consisting of hydrogen and lower alkyl, or that R₁₀ is optionally not present, in which case the nitrogen-containing ring in the compound of Formula I is pyridine;
- d) R₁₁-R₁₃ and R₁₅-R₁₈ are each independently selected from the group consisting of hydrogen, halogen, perhaloalkyl, nitro, amino, a diazo salt, optionally substituted lower alkyl, alkoxy, optionally substituted lower alkylene and optionally substituted five-membered or optionally substituted six-membered heteroaryl ring or optionally substituted six-membered aryl or heteroaryl ring, wherein

said lower alkyl and said lower alkylene moieties are each independently and optionally substituted with one or more substituents selected from the group consisting of halogen, perhaloalkyl, nitro, amino, hydroxy, alkoxy, sulfhydryl, thioether, cyano, amido, ester, and



A is selected from the group consisting of oxygen, sulfur, sulfoxide, sulfone, and -NH;

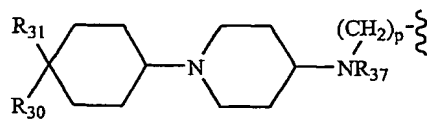
R₂₂ is selected from the group consisting of hydrogen, hydroxy, alkoxy, haloalkoxy, halogen, haloalkyl, perhaloalkyl, nitro, amino, and a diazo salt; n is between 0-4; and

said ring moieties are each independently and optionally substituted with one or more substituents selected from the group consisting of lower alkyl, lower alkylene,

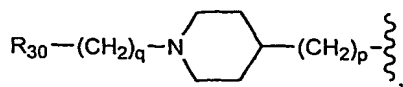
- e) R_{19} is selected from the group consisting of hydrogen, alkyl, alkylene, and a five-membered or six-membered heteroaryl ring or a six-membered aryl or heteroaryl ring, optionally substituted with one or more substituents selected from the group consisting of lower alkyl, lower alkylene, halogen, perhaloalkyl, nitro, amino, cyano, amido, and ester; and
- f) R_{20} is selected from the group consisting of hydrogen and lower alkyl
- g) R_{21} is selected from the group consisting of:

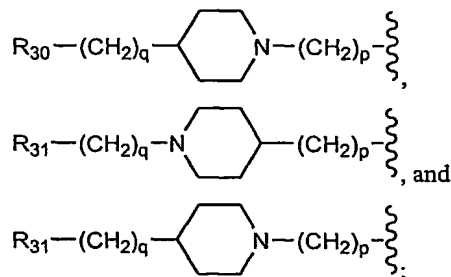
- i) hydrogen, alkyl, alkoxy, alkylene, and a five-membered or six-membered heteroaryl ring or a six-membered aryl or heteroaryl ring, optionally substituted with one or more substituents selected from the group consisting of lower alkyl, lower alkylene, halogen, perhaloalkyl, nitro, amino, cyano, amido, and ester;
- ii) COY wherein Y is C_1 - C_8 alkyl, C_1 - C_8 alkoxy or $NR_{13}R_{14}$, wherein R_{13} is hydrogen or C_1 - C_8 alkyl and R_{14} is hydrogen, C_1 - C_8 alkyl, or C_1 - C_{14} phenalkyl;

- iii) X or COX wherein X is



- iv) halogen, CF_3 , cyano, nitro, $COONHR_{35}$, $COON(R_{35})_2$, $COOSO_2R_{38}$, $COONR_{35}SO_2N(R_{35})_2$, CO_2R_{35} , $COON(R_{35})_2$, $COOSO_2N(R_{35})_2$, $COOSO_2R_{38}$.
- v) $CONR_{25}R_{26}$, wherein R_{25} is selected from the group consisting of hydrogen, alkyl, cycloalkyl, aryl, or arylalkyl and R_{26} is selected from the group consisting of hydrogen, alkyl, cycloalkyl, aryl, or halosubstituted alkyl, or R_{25} and R_{26} taken together with the nitrogen atom to which they are attached form 1-pyrrolidinyl, 1-piperidinyl, 1-azepinyl, 4-morpholinyl, 4-thiamorpholinyl, 1-piperazinyl, 4-diarylalkyl-1-piperazinyl, each of which is optionally substituted with one or more substituents selected from the group consisting of alkyl, alkoxy, alkylthio, halo, trifluoromethyl, or hydroxy;
- vi) Z, COOZ, or $C(O)(NH)Z$, wherein Z is selected from the group consisting of





wherein

- A) p and q are each independently 0-10;
 - B) R_{30} is phenyl optionally substituted with one or more substituents independently selected from the group consisting of halogen, CF_3 , cyano, nitro, $\text{N}(\text{R}_{35})_2$, $\text{NR}_{35}\text{CONR}_{37}$, $\text{NR}_{35}\text{CON}(\text{R}_{37})_2$, $\text{NR}_{35}\text{SO}_2\text{R}_{38}$, $\text{NR}_{35}\text{SO}_2\text{N}(\text{R}_{37})_2$, $(\text{CH}_2)_{0-4}\text{CO}_2\text{R}_{35}$, $(\text{CH}_2)_{0-4}\text{CON}(\text{R}_{35})_2$, $(\text{CH}_2)_{0-4}\text{SO}_2\text{N}(\text{R}_{35})_2$, $(\text{CH}_2)_{0-4}\text{SO}_2\text{R}_{38}$, and C_{1-4} alkyl;
 - C) R_{31} is selected from the group consisting of hydrogen, cyano, OR_{38} , COOR_{35} , $\text{CON}(\text{R}_{35})_2$, and phenyl optionally substituted with one or more substituents independently selected from the group consisting of halogen, CF_3 , cyano, nitro, $\text{N}(\text{R}_{35})_2$, $\text{NR}_{35}\text{CONR}_{37}$, $\text{NR}_{35}\text{CON}(\text{R}_{37})_2$, $\text{NR}_{35}\text{SO}_2\text{R}_{38}$, $\text{NR}_{35}\text{SO}_2\text{N}(\text{R}_{37})_2$, $(\text{CH}_2)_{0-4}\text{CO}_2\text{R}_{35}$, $(\text{CH}_2)_{0-4}\text{CON}(\text{R}_{35})_2$, $(\text{CH}_2)_{0-4}\text{SO}_2\text{N}(\text{R}_{35})_2$, $(\text{CH}_2)_{0-4}\text{SO}_2\text{R}_{38}$, and C_{1-4} alkyl;
 - D) R_{35} and R_{37} are each independently selected from hydrogen, C_{1-8} alkyl, C_{3-8} cycloalkyl, $(\text{CH}_2)_{0-4}\text{CF}_3$; and
 - E) R_{38} is selected from the group consisting of hydrogen, C_{1-8} alkyl, C_{3-8} cycloalkyl, and $(\text{CH}_2)_{0-4}\text{CF}_3$;
 - h) X is oxygen or sulfur; and
 - i) Q is oxygen or nitrogen; provided that when Q is oxygen R_{13} does not exist.
4. The method of Claim 1, wherein the T-channel antagonist is a prodrug.
5. The method of Claim 3, wherein the T-channel antagonist is selected from the group consisting of
- diethyl 1,4-dihydro-4-(2'-ethoxy-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;
 - dimethyl 1,4-dihydro-4-(2'-ethoxy-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;
 - diisopropyl 1,4-dihydro-4-(2'-ethoxy-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

diethyl 1,4-dihydro-4-(2'-methoxy-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

dimethyl 1,4-dihydro-4-(2'-methoxy-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

diisopropyl 1,4-dihydro-4-(2'-methoxy-6'-pentadecylphenyl)-2,6-dimethyl-3,5-carboxypyridine dicarboxylate;

diethyl 1,4-dihydro-4-(2'-isopropoxy-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

dimethyl 1,4-dihydro-4-(2'-isopropoxy-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

diisopropyl 1,4-dihydro-4-(2'-isopropoxy-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

diethyl 1,4-dihydro-4-(2'-methoxy-6'-pentadecylphenyl)-2-methyl-6-(2'-mercapto-1'H-benzimidazolyl)methyl-3,5-pyridine dicarboxylate;

dimethyl 1,4-dihydro-4-(2'-methoxy-6'-pentadecylphenyl)-2-methyl-6-(2'-mercapto-1'H-benzimidazolyl)methyl-3,5-pyridine dicarboxylate;

diisopropyl 1,4-dihydro-4-(2'-methoxy-6'-pentadecylphenyl)-2-methyl-6-(2'-mercapto-1'H-benzimidazolyl)methyl-3,5-pyridine dicarboxylate;

diethyl 1,4-dihydro-4-(2'-isopropoxy-6'-pentadecylphenyl)-2-methyl-6-(2'-mercapto-1'H-benzimidazolyl)methyl-3,5-pyridine dicarboxylate;

dimethyl 1,4-dihydro-4-(2'-isopropoxy-6'-pentadecylphenyl)-2-methyl-6-(2'-mercapto-1'H-benzimidazolyl)methyl-3,5-pyridine dicarboxylate;

diisopropyl 1,4-dihydro-4-(2'-isopropoxy-6'-pentadecylphenyl)-2-methyl-6-(2'-mercapto-1'H-benzimidazolyl)methyl-3,5-pyridine dicarboxylate;

diethyl 1,4-dihydro-4-(2'-ethoxy-6'-pentadecylphenyl)-2-methyl-6-(2'-mercapto-1'H-benzimidazolyl)methyl-3,5-pyridine dicarboxylate;

dimethyl 1,4-dihydro-4-(2'-ethoxy-6'-pentadecylphenyl)-2-methyl-6-(2'-mercapto-1'H-benzimidazolyl)methyl-3,5-pyridine dicarboxylate;

diisopropyl 1,4-dihydro-4-(2'-ethoxy-6'-pentadecylphenyl)-2-methyl-6-(2'-mercapto-1'H-benzimidazolyl)methyl-3,5-pyridine dicarboxylate;

1,4-dihydro-4-(2'-ethoxy-6'-pentadecylphenyl)-2,6-dimethyl-3-ethyl-5-(methoxyethyl)pyridine dicarboxylate;

1,4-dihydro-4-(2'-ethoxy-6'-pentadecylphenyl)-2,6-dimethyl-3-methyl-5-(methoxyethyl)pyridine dicarboxylate;

1,4-dihydro-4-(2'-ethoxy-6'-pentadecylphenyl)-2,6-dimethyl-3-isopropyl-5-(methoxyethyl)pyridine dicarboxylate;

1,4-dihydro-4-(2'-methoxy-6'-pentadecylphenyl)-2,6-dimethyl-3-ethyl-5-(methoxyethyl)pyridine dicarboxylate;

1,4-dihydro-4-(2'-isopropoxy-6'-pentadecylphenyl)-2,6-dimethyl-3-ethyl-5-(methoxyethyl)pyridine dicarboxylate;

diethyl 1,4-dihydro-4-(2'-ethoxy-6'-pentadecylphenyl)-2-(2'-aminoethoxy)methyl-6-methyl-3,5-pyridine dicarboxylate;

dimethyl 1,4-dihydro-4-(2'-ethoxy-6'-pentadecylphenyl)-2-(2'-aminoethoxy)methyl-6-methyl-3,5-pyridine dicarboxylate;

diisopropyl 1,4-dihydro-4-(2'-ethoxy-6'-pentadecylphenyl)-2-(2'-aminoethoxy)methyl-6-methyl-3,5-pyridine dicarboxylate;

diethyl 1,4-dihydro-4-(2'-methoxy-6'-pentadecylphenyl)-2-(2'-aminoethoxy)methyl-6-methyl-3,5-pyridine dicarboxylate;

dimethyl 1,4-dihydro-4-(2'-methoxy-6'-pentadecylphenyl)-2-(2'-aminoethoxy)methyl-6-methyl-3,5-pyridine dicarboxylate;

diisopropyl 1,4-dihydro-4-(2'-methoxy-6'-pentadecylphenyl)-2-(2'-aminoethoxy)methyl-6-methyl-3,5-pyridine dicarboxylate;

diethyl 1,4-dihydro-4-(2'-isopropoxy-6'-pentadecylphenyl)-2-((2'-aminoethoxy)methyl-6-methyl-3,5-pyridine dicarboxylate);

dimethyl 1,4-dihydro-4-(2'-isopropoxy-6'-pentadecylphenyl)-2-(2'-aminoethoxy)methyl-6-methyl-3,5-pyridine dicarboxylate;

diisopropyl 1,4-dihydro-4-(2'-isopropoxy-6'-pentadecylphenyl)-2-(2'-aminoethoxy)methyl-6-methyl-3,5-pyridine dicarboxylate;

diethyl 1,4-dihydro-4-(2'-ethoxy-3',5'-dinitro-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

dimethyl 1,4-dihydro-4-(2'-ethoxy-3',5'-dinitro-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

diisopropyl 1,4-dihydro-4-(2'-ethoxy-3',5'-dinitro-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

diethyl 1,4-dihydro-4-(2'-methoxy-3',5'-dinitro-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

dimethyl 1,4-dihydro-4-(2'-methoxy-3',5'-dinitro-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

diisopropyl 1,4-dihydro-4-(2'-methoxy-3',5'-dinitro-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

diethyl 1,4-dihydro-4-(2'-isopropoxy-3',5'-dinitro-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

dimethyl 1,4-dihydro-4-(2'-isopropoxy-3',5'-dinitro-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

diisopropyl 1,4-dihydro-4-(2'-isopropoxy-3',5'-dinitro-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

diethyl 1,4-dihydro-4-(2'-ethoxy-3',5'-diamino-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

dimethyl 1,4-dihydro-4-(2'-ethoxy-3',5'-diamino-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

diisopropyl 1,4-dihydro-4-(2'-ethoxy-3',5'-diamino-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

diethyl 1,4-dihydro-4-(2'-methoxy-3',5'-diamino-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

dimethyl 1,4-dihydro-4-(2'-methoxy-3',5'-diamino-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

diisopropyl 1,4-dihydro-4-(2'-methoxy-3',5'-diamino-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

diethyl 1,4-dihydro-4-(2'-isopropoxy-3',5'-diamino-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

dimethyl 1,4-dihydro-4-(2'-isopropoxy-3',5'-diamino-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

diisopropyl 1,4-dihydro-4-(2'-isopropoxy-3',5'-diamino-6'-pentadecylphenyl)-2,6-dimethyl-3,5-pyridine dicarboxylate;

diethyl 1,4-dihydro-4-(2'-ethoxy-6'-pentadecylphenyl)-2-methyl-6-(5''-methyl-2-mercapto-1'H-benzimidazolyl)methyl-3,5-pyridine dicarboxylate;

dimethyl 1,4-dihydro-4-(2'-ethoxy-6'-pentadecylphenyl)-2-methyl-6-(5''-methyl-2-mercapto-1'H-benzimidazolyl)methyl-3,5-pyridine dicarboxylate;

diisopropyl 1,4-dihydro-4-(2'-ethoxy-6'-pentadecylphenyl)-2-methyl-6-(5''-methyl-2-mercapto-1'H-benzimidazolyl)methyl-3,5-pyridine dicarboxylate;

diethyl 1,4-dihydro-4-(2'-methoxy-6'-pentadecylphenyl)-2-methyl-6-(5''-methyl-2-mercapto-1'H-benzimidazolyl)methyl-3,5-pyridine dicarboxylate;

dimethyl 1,4-dihydro-4-(2'-methoxy-6'-pentadecylphenyl)-2-methyl-6-(5''-methyl-2-mercapto-1'H-benzimidazolyl)methyl-3,5-pyridine dicarboxylate;

diisopropyl 1,4-dihydro-4-(2'-methoxy-6'-pentadecylphenyl)-2-methyl-6-(5''-methyl-2-mercapto-1'H-benzimidazolyl)methyl-3,5-pyridine dicarboxylate;

diethyl 1,4-dihydro-4-(2'-isopropoxy-6'-pentadecylphenyl)-2-methyl-6-(5''-methyl-2-mercapto-1'H-benzimidazolyl)methyl-3,5-pyridine dicarboxylate;

dimethyl 1,4-dihydro-4-(2'-isopropoxy-6'-pentadecylphenyl)-2-methyl-6-methyl(5'-methyl-2-mercapto-1'H-benzimidazolyl)methyl-3,5-pyridine dicarboxylate; and diisopropyl 1,4-dihydro-4-(2'-isopropoxy-6'-pentadecylphenyl)-2-methyl-6-methyl(5'-methyl-2-mercapto-1'H-benzimidazolyl)methyl-3,5-pyridine dicarboxylate.

6. The method of Claim 3, wherein the T-channel antagonist is selected from the group consisting of

5-ethoxycarbonyl-4-(2-ethoxy-6-pentadecylphenyl)-6-(2'-mercapto-1'H-benzimidazolyl) methyl-3,4-dihydropyrimidin-2(1H)-one,

5-ethoxycarbonyl-4-(2-methoxy-6-pentadecylphenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one,

5-methoxycarbonyl-4-(2-ethoxy-6-pentadecylphenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one,

5-methoxycarbonyl-4-(2-methoxy-6-pentadecylphenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one,

5-ethoxycarbonyl-4-(2-ethoxy-6-pentadecylphenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one,

5-methoxycarbonyl-4-(2-methoxy-6-(8' Z, 11' Z, 14' Z) pentadecatrienyl phenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one,

5-methoxycarbonyl-4-(2-methoxy-6-(8' Z, 11' Z) pentadecadienyl phenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one,

5-methoxycarbonyl-4-(2-methoxy-6-(8' Z) pentadecenyl phenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one,

5-ethoxycarbonyl-4-(2-ethoxy-6-(8' Z, 11' Z, 14' Z) pentadecatrienyl phenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one,

5-ethoxycarbonyl-4-(2-ethoxy-6-(8' Z, 11' Z) pentadecadienyl phenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one,

5-ethoxycarbonyl-4-(2-ethoxy-6-(8' Z) pentadecenyl phenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one,

5-methoxycarbonyl-4-(2-ethoxy-6-(8' Z, 11' Z, 14' Z) pentadecatrienyl phenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one,

5-methoxycarbonyl-4-(2-ethoxy-6-(8' Z, 11' Z) pentadecadienyl phenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one,

5-methoxycarbonyl-4-(2-ethoxy-6-(8' Z) pentadecenyl phenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one,

5-isopropoxycarbonyl-4-(2-ethoxy-6-(8' Z, 11' Z, 14' Z) pentadecatrienyl phenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one,

5-isopropoxycarbonyl-4-(2-ethoxy-6-(8' Z, 11' Z) pentadecadienyl phenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one,

5-isopropoxycarbonyl-4-(2-ethoxy-6-(8' Z) pentadecenyl phenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one,

3,6-dihydro-4-methyl-6-[2-methoxy-6-pentadecylphenyl]-2-oxo-1,5-(2H)-pyrimidinedicarboxylic acid 1-ethyl 5-methyl diester,

3,6-dihydro-4-methyl-6-[2-methoxy-6-pentadecylphenyl]-2-oxo-1,5-(2H)-pyrimidinedicarboxylic acid bis (ethyl ester),

3,6-dihydro-4-methyl-6-[2-methoxy-6-pentadecylphenyl]-2-oxo-1,5-(2H)-pyrimidinedicarboxylic acid 1-ethyl 5-isopropyl diester,

3,6-dihydro-4-methyl-6-[2-ethoxy-6-pentadecylphenyl]-2-oxo-1,5-(2H)-pyrimidinedicarboxylic acid 1-ethyl 5-methyl diester,

3,6-dihydro-4-methyl-6-[2-ethoxy-6-pentadecylphenyl]-2-oxo-1,5-(2H)-pyrimidinedicarboxylic acid 1,5-diethyl diester,

3,6-dihydro-4-methyl-6-[2-ethoxy-6-pentadecylphenyl]-2-oxo-1,5-(2H)-pyrimidinedicarboxylic acid 1-ethyl 5-isopropyl diester,

3,6-dihydro-4-methyl-6-[2-isopropoxy-6-pentadecylphenyl]-2-oxo-1,5-(2H)-pyrimidinedicarboxylic acid 1-ethyl 5-methyl diester,

3,6-dihydro-4-methyl-6-[2-isopropoxy-6-pentadecylphenyl]-2-oxo-1,5-(2H)-pyrimidinedicarboxylic acid 1,5-diethyl diester,

3,6-dihydro-4-methyl-6-[2-isopropoxy-6-pentadecylphenyl]-2-oxo-1,5-(2H)-pyrimidinedicarboxylic acid 1-ethyl, 5-isopropyl diester,

3,6-dihydro-4-methyl-6-(2-methoxy-6-pentadecylphenyl)-2-thioxo-1,5(2H)-pyrimidine dicarboxylic acid bis (ethyl ester),

3,6-dihydro-4-methyl-6-(2-ethoxy-6-pentadecylphenyl)-2-thioxo-1,5(2H)-pyrimidine dicarboxylic acid bis (ethyl ester),

3,6-dihydro-4-methyl-6-(2-isopropoxy-6-pentadecylphenyl)-2-thioxo-1,5(2H)-pyrimidine dicarboxylic acid bis (ethyl ester),

3,6-dihydro-4-methyl-6-(2-methoxy-6-dodecylphenyl)-2-thioxo-1,5(2H)-pyrimidine dicarboxylic acid bis (ethyl ester),

3,6-dihydro-4-methyl-6-(2-ethoxy-6-dodecylphenyl)-2-thioxo-1,5(2H)-pyrimidine dicarboxylic acid bis (ethyl ester),

3,6-dihydro-4-methyl-6-(2-isopropoxy-6-dodecylphenyl)-2-thioxo-1,5(2H)-pyrimidine dicarboxylic acid bis (ethyl ester),

3,6-dihydro-4-methyl-2-thioxo-6-[2-isopropoxy-6-pentadecylphenyl]-1,5(2H)-pyrimidine dicarboxylic acid 5-ethyl-1-[1-(phenylmethyl)-4-piperidinyl]ester mono hydrochloride,

3,6-dihydro-4-methyl-2-thioxo-6-[2-ethoxy-6-pentadecylphenyl]-1,5(2H)-pyrimidine dicarboxylic acid 5-ethyl-1-[1-(phenylmethyl)-4-piperidinyl]ester mono hydrochloride,

1,2,3,4-tetrahydro-6-methyl-4-[2-methoxy-6-pentadecylphenyl]-3-(1-oxo-propyl)2-thioxo-5-pyrimidine carboxylic acid ethyl ester,

1,2,3,4-tetrahydro-6-methyl-4-[2-ethoxy-6-pentadecylphenyl]-3-(1-oxo-propyl)2-thioxo-5-pyrimidine carboxylic acid ethyl ester,

1,2,3,4-tetrahydro-6-methyl-4-[2-isopropoxy-6-pentadecylphenyl]-3-(1-oxo-propyl)2-thioxo-5-pyrimidine carboxylic acid ethyl ester,

1-[(dimethyl amino)carbonyl]-1,2,3,6-tetrahydro-4-methyl-6-[2-methoxy-6-pentadecylphenyl]-2-thioxo-5-pyrimidine carboxylic acid ethyl ester,

1-[(dimethyl amino)carbonyl]-1,2,3,6-tetrahydro-4-methyl-6-[2-ethoxy-6-pentadecylphenyl]-2-thioxo-5-pyrimidine carboxylic acid ethyl ester,

1-[(dimethyl amino)carbonyl]-1,2,3,6-tetrahydro-4-methyl-6-[2-isopropoxy-6-pentadecylphenyl]-2-thioxo-5-pyrimidine carboxylic acid ethyl ester,

3,6-dihydro-4-methyl-2-thioxo-6-[2-methoxy-6-pentadecylphenyl]-1,5(2H)-pyrimidinedicarboxylic acid, 5-ethyl-1-[1-(phenylmethyl)-4-piperidinyl] ester, monohydrochloride,

3,6-dihydro-4-methyl-2-thioxo-6-[2-methoxy-6-pentadecylphenyl]-1,5(2H)-pyrimidinedicarboxylic acid, 5-(1-methylethyl)-1-[1-(phenylmethyl)-4-piperidinyl] ester, monohydrochloride,

3,6-dihydro-4-methyl-2-thioxo-6-[2-ethoxy-6-pentadecylphenyl]-1,5(2H)-pyrimidinedicarboxylic acid, 5-(1-methylethyl)-1-[1-(phenylmethyl)-4-piperidinyl] ester, monohydrochloride,

3,6-dihydro-4-methyl-2-thioxo-6-[2-ethoxy-3,5-dinitro-6-pentadecylphenyl]-1,5(2H)-pyrimidinedicarboxylic acid, 5-(1-methylethyl)-1-[1-(phenylmethyl)-4-piperidinyl] ester, monohydrochloride,

1,2,3,6-Tetrahydro-4-methyl-1-[3-[methyl(phenylmethyl)amino]propyl]-2-thioxo-6-[2-methoxy-6-pentadecylphenyl]-5-pyrimidinecarboxylic acid, 1-methylethyl ester, monohydrochloride,

1,2,3,6-Tetrahydro-4-methyl-1-[2-[1-(phenylmethyl)-4-piperidinyl]ethyl]-2-thioxo-6-[2-methoxy-6-pentadecylphenyl]-5-pyrimidinecarboxylic acid, 1-methylethyl ester, monohydrochloride,

3,6-dihydro-4-methyl-2-thioxo-6-[2-ethoxy-6-pentadecylphenyl]-1,5(2H)-pyrimidinedicarboxylic acid, 1-[1-[(4-florophenyl)methyl]-4-piperidinyl] 5-(1-methylethyl) ester, monohydrochloride,

4-ethyl-5-methoxycarbonyl-1-{N-[3[4-(4-methoxycarbonyl)-4-phenylpiperidin-1-yl]propyl]carboxamido}-6-[2-methoxy-6-pentadecylphenyl]-2-oxo-1,2,3,6-tetrahydropyrimidine,

4-ethyl-5-methoxycarbonyl-1-{N-[3[4-(4-methoxycarbonyl)-4-phenylpiperidin-1-yl]propyl]carboxamido}-6-[2-ethoxy-6-pentadecylphenyl]-2-oxo-1,2,3,6-tetrahydropyrimidine,

5-carboxamido-4-ethyl-1-{N-[3-(4-methoxycarbonylphenyl)piperidin-1-yl]-propyl]carboxamido}-6-[2-methoxy-6-pentadecylphenyl]-2-oxo-1,2,3,6-tetrahydropyrimidine,

4-ethyl-5-(N-methylcarboxamido)-1-{N-[3-(4-methoxycarbonylphenyl)piperidin-1-yl]propyl]carboxamido}-6-[2-methoxy-6-pentadecylphenyl]-2-oxo-1,2,3,6-tetrahydropyrimidine,

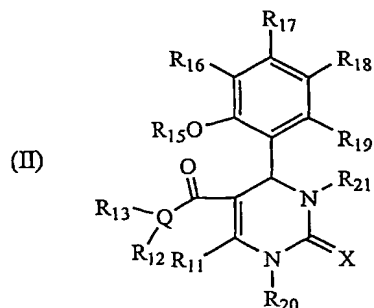
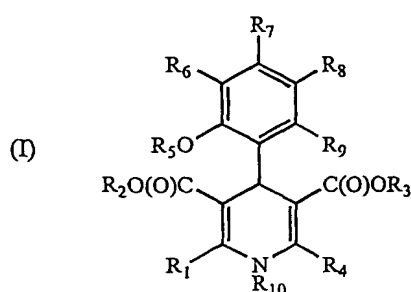
5-methoxycarbonyl-1-{N-[3-[4-(4-methoxycarbonyl)-4-phenylpiperidin-1-yl]propyl]carboxamido}-4-methyl-6-[2-methoxy-6-pentadecylphenyl]-2-oxo-1,2,3,6-tetrahydropyrimidine,

5-ethoxycarbonyl-1-{N-[3-[4-(4-methoxycarbonyl)-4-phenylpiperidin-1-yl]propyl]carboxamido}-4-methyl-6-[2-methoxy-6-pentadecylphenyl]-2-oxo-1,2,3,6-tetrahydropyrimidine,

5-carboxamido-1-{N-[3-[4-(4-methoxycarbonyl)-4-phenylpiperidin-1-yl]propyl]carboxamido}-4-methyl-6-[2-methoxy-6-pentadecylphenyl]-2-oxo-1,2,3,6-tetrahydropyrimidine, and

1-{N-[3-[4-(4-methoxycarbonyl)-4-phenylpiperidin-1-yl]propyl]carboxamido}-4-methyl-5-(N-methylcarboxamido)-6-[2-methoxy-6-pentadecylphenyl]-2-oxo-1,2,3,6-tetrahydropyrimidine.

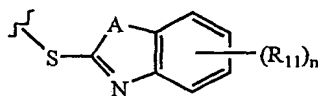
7. A method for treating hypertension, comprising repeatedly administering to a patient a selective T-channel antagonist in individual dosages spaced at least one day apart.
8. The method of Claim 7, wherein the T-channel antagonist is a compound of Formula I or II:



or a pharmaceutically acceptable salt, amide, ester, or prodrug thereof,
wherein

- a) R_1 - R_8 are each independently selected from the group consisting of hydrogen, halogen, perhaloalkyl, nitro, amino, a diazo salt, optionally substituted lower alkyl, optionally substituted lower alkylene and optionally substituted five-membered or optionally substituted six-membered heteroaryl ring or optionally substituted six-membered aryl or heteroaryl ring,

where the lower alkyl and the lower alkylene moieties are each independently and optionally substituted with one or more substituents selected from the group consisting of halogen, perhaloalkyl, nitro, amino, hydroxy, alkoxy, sulfhydryl, thioether, cyano, amido, ester, and



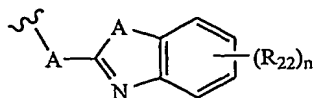
where A is selected from the group consisting of oxygen, sulfur, and -NH and R_{11} is selected from the group consisting of hydrogen, hydroxy, alkoxy, haloalkoxy, halogen, haloalkyl, perhaloalkyl, nitro, amino, and a diazo salt, and n is between 0-4; and

where the ring moieties are each independently and optionally substituted with one or more substituents selected from the group consisting of lower alkyl, lower alkylene,

- b) R_9 is selected from the group consisting of hydrogen, alkyl, alkylene, and a five-membered or six-membered heteroaryl ring or a six-membered aryl or heteroaryl ring, optionally substituted with one or more substituents selected from the group consisting of lower alkyl, lower alkylene, halogen, perhaloalkyl, nitro, amino, cyano, amido, and ester;

- c) R_{10} is selected from the group consisting of hydrogen and lower alkyl, or that R_{10} is optionally not present, in which case the nitrogen-containing ring in the compound of Formula I is pyridine;
- d) R_{11} - R_{13} and R_{15} - R_{18} , are each independently selected from the group consisting of hydrogen, halogen, perhaloalkyl, nitro, amino, a diazo salt, optionally substituted lower alkyl, alkoxy, optionally substituted lower alkylene and optionally substituted five-membered or optionally substituted six-membered heteroaryl ring or optionally substituted six-membered aryl or heteroaryl ring, wherein

said lower alkyl and said lower alkylene moieties are each independently and optionally substituted with one or more substituents selected from the group consisting of halogen, perhaloalkyl, nitro, amino, hydroxy, alkoxy, sulfhydryl, thioether, cyano, amido, ester, and



A is selected from the group consisting of oxygen, sulfur, sulfoxide, sulfone, and -NH;

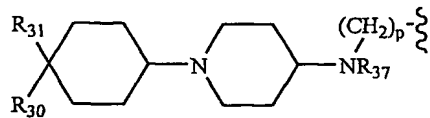
R_{22} is selected from the group consisting of hydrogen, hydroxy, alkoxy, haloalkoxy, halogen, haloalkyl, perhaloalkyl, nitro, amino, and a diazo salt; n is between 0-4; and

said ring moieties are each independently and optionally substituted with one or more substituents selected from the group consisting of lower alkyl, lower alkylene,

- e) R_{19} is selected from the group consisting of hydrogen, alkyl, alkylene, and a five-membered or six-membered heteroaryl ring or a six-membered aryl or heteroaryl ring, optionally substituted with one or more substituents selected from the group consisting of lower alkyl, lower alkylene, halogen, perhaloalkyl, nitro, amino, cyano, amido, and ester; and
- f) R_{20} is selected from the group consisting of hydrogen and lower alkyl
- g) R_{21} is selected from the group consisting of:
- hydrogen, alkyl, alkoxy, alkylene, and a five-membered or six-membered heteroaryl ring or a six-membered aryl or heteroaryl ring, optionally substituted with one or more substituents selected from the group consisting of lower alkyl, lower alkylene, halogen, perhaloalkyl, nitro, amino, cyano, amido, and ester;

- ii) COY wherein Y is C₁-C₈ alkyl, C₁-C₈ alkoxy or NR₁₃R₁₄, wherein R₁₃ is hydrogen or C₁-C₈ alkyl and R₁₄ is hydrogen, C₁-C₈ alkyl, or C₁-C₁₄ phenalkyl;

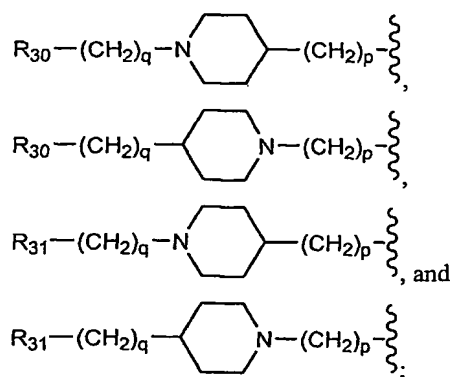
- iii) X or COX wherein X is



- iv) halogen, CF₃, cyano, nitro, COONHR₃₅, COON(R₃₅)₂, COOSO₂R₃₈, COONR₃₅SO₂N(R₃₅)₂, CO₂R₃₅, COON(R₃₅)₂, COOSO₂N(R₃₅)₂, COOSO₂R₃₈.

- v) CONR₂₅R₂₆, wherein R₂₅ is selected from the group consisting of hydrogen, alkyl, cycloalkyl, aryl, or arylalkyl and R₂₆ is selected from the group consisting of hydrogen, alkyl, cycloalkyl, aryl, or halosubstituted alkyl, or R₂₅ and R₂₆ taken together with the nitrogen atom to which they are attached form 1-pyrrolidinyl, 1-piperidinyl, 1-azepinyl, 4-morpholinyl, 4-thiamorpholinyl, 1-piperazinyl, 4-diarylalkyl-1-piperazinyl, each of which is optionally substituted with one or more substituents selected from the group consisting of alkyl, alkoxy, alkylthio, halo, trifluoromethyl, or hydroxy;

- vi) Z, COOZ, or C(O)(NH)Z, wherein Z is selected from the group consisting of



wherein

- A) p and q are each independently 0-10;
 B) R₃₀ is phenyl optionally substituted with one or more substituents independently selected from the group consisting of halogen, CF₃, cyano, nitro, N(R₃₅)₂, NR₃₅CONR₃₇, NR₃₅CON(R₃₇)₂, NR₃₅SO₂R₃₈,

$\text{NR}_{35}\text{SO}_2\text{N}(\text{R}_{37})_2$, $(\text{CH}_2)_{0-4}\text{CO}_2\text{R}_{35}$, $(\text{CH}_2)_{0-4}\text{CON}(\text{R}_{35})_2$, $(\text{CH}_2)_{0-4}\text{SO}_2\text{N}(\text{R}_{35})_2$, $(\text{CH}_2)_{0-4}\text{SO}_2\text{R}_{38}$, and C_{1-4} alkyl;

- C) R_{31} is selected from the group consisting of hydrogen, cyano, OR_{38} , COOR_{35} , $\text{CON}(\text{R}_{35})_2$, and phenyl optionally substituted with one or more substituents independently selected from the group consisting of halogen, CF_3 , cyano, nitro, $\text{N}(\text{R}_{35})_2$, $\text{NR}_{35}\text{CONR}_{37}$, $\text{NR}_{35}\text{CON}(\text{R}_{37})_2$, $\text{NR}_{35}\text{SO}_2\text{R}_{38}$, $\text{NR}_{35}\text{SO}_2\text{N}(\text{R}_{37})_2$, $(\text{CH}_2)_{0-4}\text{CO}_2\text{R}_{35}$, $(\text{CH}_2)_{0-4}\text{CON}(\text{R}_{35})_2$, $(\text{CH}_2)_{0-4}\text{SO}_2\text{N}(\text{R}_{35})_2$, $(\text{CH}_2)_{0-4}\text{SO}_2\text{R}_{38}$, and C_{1-4} alkyl;
- D) R_{35} and R_{37} are each independently selected from hydrogen, C_{1-8} alkyl, C_{3-8} cycloalkyl, $(\text{CH}_2)_{0-4}\text{CF}_3$; and
- E) R_{38} is selected from the group consisting of hydrogen, C_{1-8} alkyl, C_{3-8} cycloalkyl, and $(\text{CH}_2)_{0-4}\text{CF}_3$;

h) X is oxygen or sulfur; and

i) Q is oxygen or nitrogen; provided that when Q is oxygen R_{13} does not exist.

9. A method for selecting calcium T-channel antagonists having a desired pharmacological profile, comprising:

testing candidate compounds to measure rapidity of onset of activity;

testing candidate compounds to measure duration of activity; and

selecting candidate compounds having a slower onset of activity and a longer duration of activity than Mibefradil.

10. The method of Claim 9, wherein at least one of the testing steps is performed *in vitro*.

11. The method of Claim 9, wherein at least one of the testing steps is performed *in vivo*.